



Become sustainable!

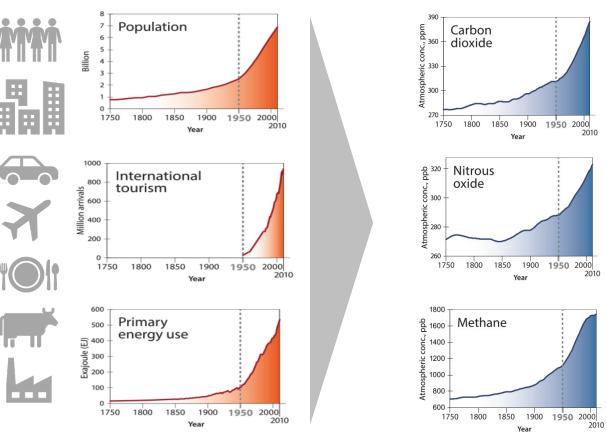


We assist your club to become climate friendly & sustainable

We are the central service partner of the global ESRAG initiative

Every-club-climate-friendly

Increasing human activities are causing emissions.



More people on earth

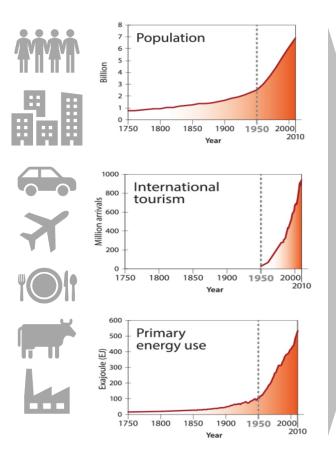
- More houses & food
- More transportation
- More production

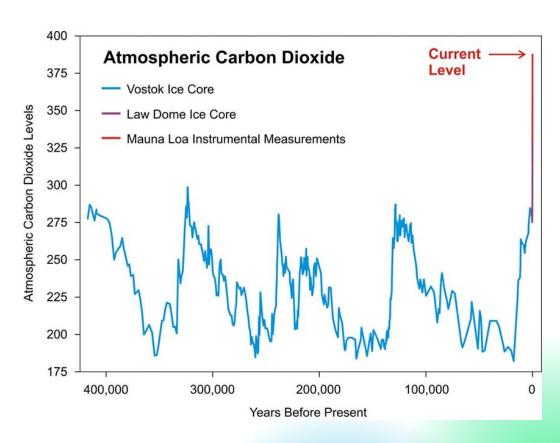
More emissions of Greenhouse gases that accumulate in the atmosphere.

Copyright: Future Earth 2024. (Sources: The trajectory of the Anthropocene: The Great Acceleration, 16 January 2015, Anthropocenew, Will Steffen, Wendy Broadgate, Lisa Deutsch, Owen Gaffn Cornelia Ludwig, https://futureearth.org/2015/01/16/the-great-acceleration/)

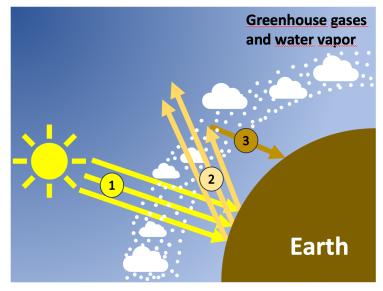


Atmospheric CO₂ now higher than in the last 400.000 years.





CO₂ emissions lead to Greenhouse effect and Climate change.



Accumulated CO₂ emissions in the atmosphere



Greenhouse effect

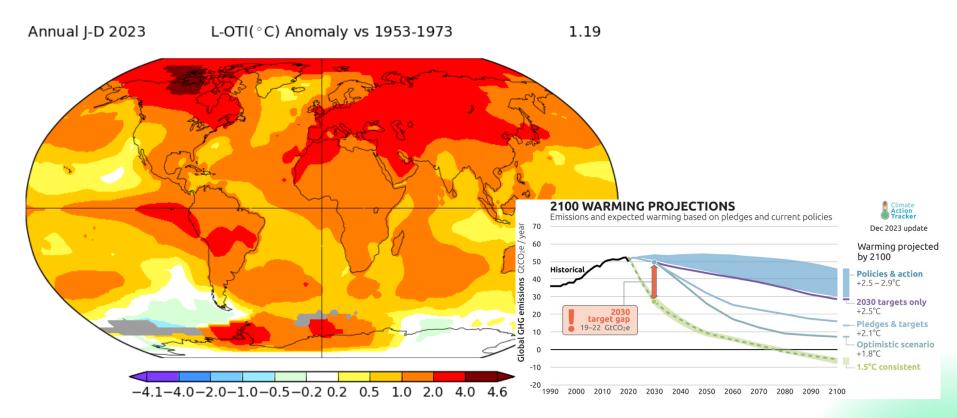
- The sun's rays heat the earth
- **2** The warmed earth emits infrared rays
 - Greenhouse gases, e.g. CO₂, reflect infrared rays and create the greenhouse effect

Climate Change

- "Climate change refers to <u>long-term shifts</u> in temperatures and weather patterns.
- Such shifts can be natural but since the 1800s, <u>human</u> activities have been the main driver of climate change



Planet earth has fever already ... so what can we do as Rotarians?



Note: Gray areas signify missing data.

Note: Ocean data are not used over land nor within 100km of a reporting land station.



How can I make my club climate friendly and sustainable?

Club CO₂ footprint, caused by club activities:

- Transport to meetings
- Meals at meetings
- Journeys & events
- ...



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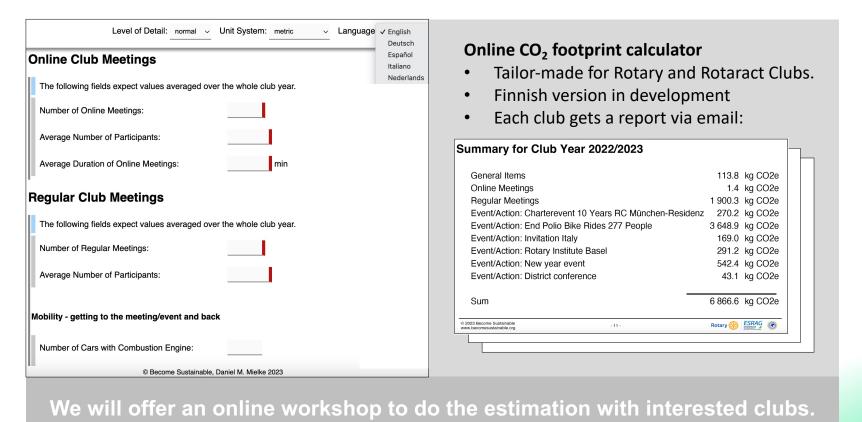
Increase club CO₂ handprint,

i.e. the positive climate actions to reduce CO₂

- Financial contribution
- Effective projects
- Member handprint



Online tool to estimate CO₂ footprint & handprint of your club.





Use "best paractice" to reduce the CO₂ footprint of club activities.

		best practice	worst practice
Dinner	Dinner at event with 50 people	(kg CO2)	(kg CO2)
	Eating vegetarian or vegan	22	
	Eating beef that was airshipped from e.g. Argentinia		833
Transport	Transport to event with 48 people, 20 miles and back		
	12 electric cars with 4 people in it	116	
	48 large SUVs with driver alone		2891
Travel	Transport for 10 people, 250 miles and back		
	10 people with a train	392	
	10 people with airplane		2264
Hotel	Travel - Accomodation for 10 people for 5 nights		
	50 nights in an eco-friendly Hotel or small B&B	150	
	50 nights in a luxurious big hotel		3750
	Sum	680	9738



- Complete list of "best practice" examples
- How to nudge a best practice
- How to lead by example

Receive the complete list of "best practice": Participate in "Become Sustainable!".



Financial contribution to a recommended Rotary project.

Example: Solvatten water filter - RC Stockholm Djurgarden.





Solvatten water filter

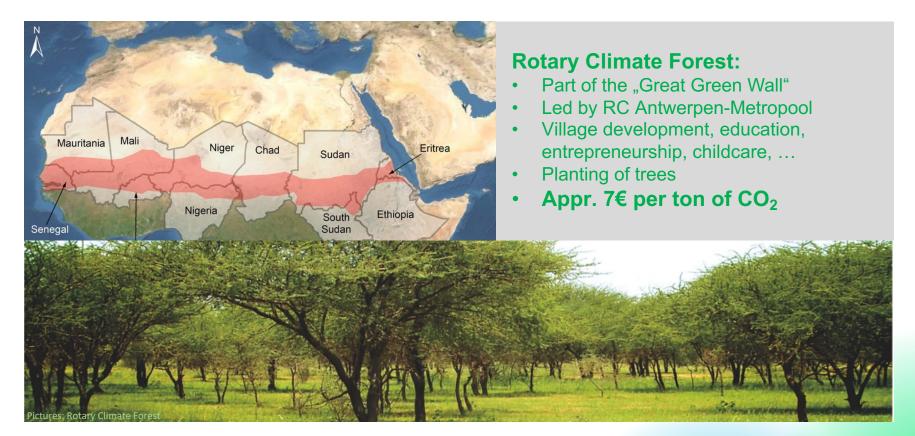
- Sunlight creates safe, affordable water
- 1 water filter costs \$145
- Lasts 7 years
- Reduces CO₂ by 7 tons
- Gold standard certificate
- Positive impact on all 7 Rotary areas of focus
- Appr. 21\$ per ton of CO₂

More examples in our handbook and www.BecomeSustainable.org



Financial contribution to a recommended Rotary project.

Example: Rotary Climate Forest - RC München-Residenz.





Effective project started by the club.

Example: "Rotary Moor" - RC Nürnberg-Connect.



Project "Rotary Moor" (peatland)

- Reduces CO₂ emissions by re-wetting a moor
- Positive impact on biodiversity
- Is part of the "great green belt" on the former inner-German border
- Hands-on possibilities for clubs
- Appr. 100€ per ton of CO₂

The project is looking for more participating clubs!

More examples in our handbook and www.BecomeSustainable.org



Effective project started by the club.

Example: "Photovoltaic panels for people in need" - RC Fürth.



Photovoltaic panels for people in need

- E.g. single mother, two kids
- Social impact saving energy cost
- Approx. 150 kg reduced CO₂ emissions per panel per year in Germany
- Hands-on option for the club
- Approx. 80 € per ton of CO₂

More examples in our handbook and www.BecomeSustainable.org



Increasing the handprint – examples from *Rotarians*. The positive climate actions of clubs & members.



We invite you & your club ... to "Become Sustainable!"



Our offers to you:

- Giving presentations to raise awareness.
- Sharing effective projects with climate & social impact.
- Helping to estimate club CO₂ footprint & handprint.
- Offering best practice to reduce CO₂.
- Advice for CO₂ offsetting through Rotary projects.
- Comprehensive Handbook with 7 steps for your club.

"We assist your club to become climate-friendly & sustainable."



Join our team, become an ambassador! Thank you for your attention.

170 Clubs
interested / participating
from
25 Countries



28 Team members, experts & ambassadors from

17 clubs & 4 continents



Thank you for your attention!



The seven steps to make your club climate-friendly. The steps are described in detail in our handbook.

